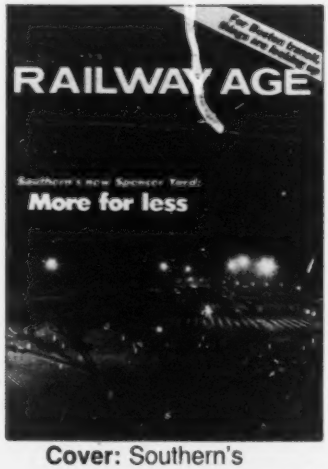
RAILWAY AGE
October 11, 1982

FEATURES



Cover: Southern's Spencer Yard at Linwood, N.C., was photographed by Contributing Editor William D. Middleton. *Page 14.*

14 Southern's Spencer Yard: More for less
An investment of $48 million is paying off at Southern's seventh automated class yard. Promised cost savings and service improvements are being delivered.

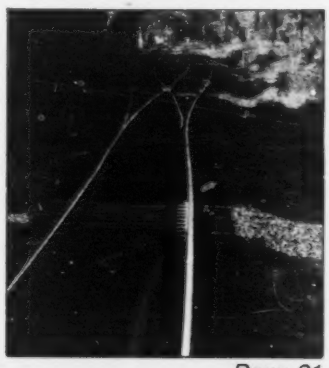
21 B&M: Building a better railroad
Major track improvement programs continue as B&M prepares for its likely role as a key element in the new Guilford Transportation Industries system.

29 MBTA: Greater stability for Boston transit
While MBTA has made some painful decisions it has also started to improve its plant and equipment. Now the agency stands better prepared to handle its problems.

33 EMD: Steady progress toward fuel efficiency
GM's Electro-Motive Division is meeting the challenges that come with demands for more reliable, durable and fuel-efficient locomotives.

38 Railway Systems Suppliers Showcase
A preview of some of the new products that will be shown by RSSI members in St. Louis Oct. 24-26 during AAR's C&S Division meetings.

NEWS



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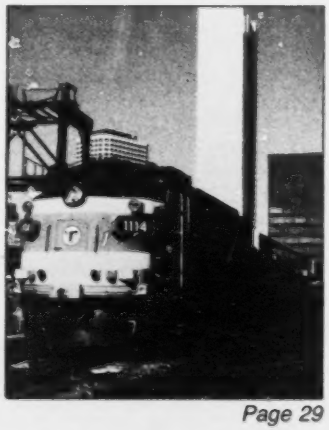

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Market

CARLOADINGS

Loadings of revenue freight in the week ended Sept. 18 totaled 360,440 cars, according to the Association of American Railroads. This was a decrease of 91,589 cars, or 20.3%, compared with the corresponding week last year. Ton-miles generated by carloadings in the week ended Sept. 18 are estimated at 15.1 billion, a decrease of 19.5% below the corresponding week of 1981.

REVENUE FREIGHT CARLOADINGS

Commodity	Sept. 18 week	Sept. 11 week
Grain	22,408	19,973
Other farm products	2,806	2,546
Metallic ores	12,095	11,521
Coal	112,906	101,430
Crushed stone, gravel & sand	10,151	9,340
Nonmetallic minerals	9,729	7,321
Grain mill products	12,261	10,365
Food & kindred products	13,947	11,854
Primary forest products	14,695	12,286
Lumber & wood products (except furniture)	6,087	4,653
Pulp, paper & allied products	15,731	13,962
Chemicals & allied products	21,800	19,192
Petroleum products	4,718	4,131
Stone, clay & glass products	11,058	9,609
Coke	4,275	4,059
Metals & products	7,372	6,228
Motor vehicles & equipment	14,780	11,976
Waste & scrap materials	7,697	6,216
Forwarder & shipper assn. traffic	8,253	6,782
All other carloads	47,435	38,618
LCL traffic	236	138
Total Cars Loaded	**360,440**	**312,200**
Cumulative total, 38 weeks	**1982 13,835,935**	**1981 15,901,305**
Estimated revenue ton-miles (billions), 38 weeks	**590.3**	**668.0**

PIGGYBACK LOADINGS

U.S. piggyback loadings for the week ended Sept. 11 totaled 34,023 cars (14.6% above the corresponding 1981 week) and 56,720 trailers or containers (up 7.4% from 1981). Both weeks included the Labor Day holiday. Cumulative volume for the first 37 weeks of 1982 is 1,337,906 cars (up 9.5% from 1981) and 2,349,980 trailers or containers (up 6.9% from 1981).

CANADIAN CARLOADINGS

Canadian railway revenue freight loaded in the seven-day period ended Sept. 7 totaled 2.97 million tons (down 31.6% from 1981). Cars loaded totaled 47,537 (down 28.4% from 1981). Cumulative loadings for 1982 were 141.5 million tons (down 10.1% from 1981).

• *Burlington Northern.*—Will replace conventional bulkheads in 100 boxcars with heavy-duty, "low-profile" bulkheads for shipments of aluminum coils and ingots. The work will be done at BN's Havelock, Neb., shops at a cost of $1.4 million, and will be completed in fourth-quarter 1982. Last year, BN carried 1.2 million tons of aluminum, 95% of which was coils and ingots.

• *Rede Ferrovaria Federal S.A.*—Awarded a contract valued at $52 million (Canadian) to Bombardier for the supply of engines, parts, and technical supervision for the rebuilding of 84 diesel-electrics for Brazil's state-owned railway. Financing is being furnished by Canada's Export Development Corp. (85%) and the National Bank of Canada (15%).

• *Union Switch & Signal.*—Awarded an $8-million contract for communications systems to Computer Sciences Corp. for work to be performed on two mass-transit subway lines in Seoul, South Korea. Computer Sciences will engineer, furnish and supervise installation of communications facilities at 47 stations and a control center on 35 miles of double-track right-of-way. Facilities to be furnished will include radio, telephone and closed-circuit television equipment, plus a pulse code modulation T-carrier system, timing clock systems and audio recording equipment.

• *Freight cars and locomotives.*—The following report has been received from the AAR and the ARCI:

DELIVERED

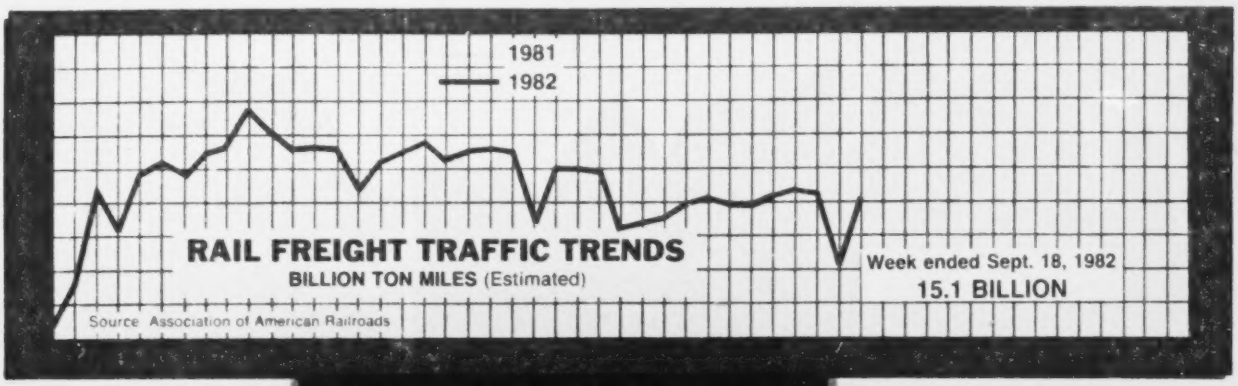
	August 1982	August 1981	July 1982	Eight months 1982	Eight months 1981
Built new by carbuilders	992	2,971	1,369	12,973	31,132
Built new in RR shops	68	213	—	1,054	2,512
Built new—total	1,060	3,184	1,369	14,027	33,644
Rebuilt	98	65	12	900	763
TOTAL DELIVERED	**1,158**	**3,249**	**1,381**	**14,927**	**34,407**
Locomotives (new and rebuilt)	25	73	16	322	508

ORDERED

To be built new by carbuilders	373	798	179	5,175	12,231
To be built new in RR shops	0	0	0	0	253
To be built new—total	373	798	179	5,175	12,484
To be rebuilt	0	0	0	0	1,100
TOTAL ORDERED	**373**	**798**	**179**	**5,175**	**13,584**

ON ORDER AND UNDELIVERED

	September 1 1982	September 1 1981	August 1 1982	Average Backlog 1982	Average Backlog 1981
To be built new by carbuilders	6,217	21,403	6,507	9,463	33,406
To be built new in RR shops	612	2,245	680	931	3,082
To be built new—total	6,829	23,648	7,187	10,394	36,488
To be rebuilt	0	337	98	352	316
TOTAL ON ORDER	**6,829**	**23,985**	**7,285**	**10,746**	**36,804**
Locomotives (new and rebuilt)	101	267	137	173	350



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